

Rpt. 13.

No. 58609

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 19... When handed in at Local Office 19... Port of HULL.  
No. in Survey held at Hull. Date, First Survey 26. 5. 52 Last Survey 7. 7. 1952  
Reg. Book. (No. of Visits 8)  
90037 on the Steam Trawler "CAPE SAMBRO"  
Built at Selby. By whom built Cochrane & Sons, Ltd. Yard No. 1379 When built 1952  
Owners National Sea Products, Ltd. Port belonging to Halifax, N.S.  
Installation fitted by Wm. Broady & Son, Ltd. When fitted 1952  
Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. Yes E.S.D. Yes Gy.C. No Sub.Sig. No Radar No

Plans, have they been submitted and approved Yes System of Distribution two wire Voltage of Lighting 110  
Heating - Power 100 D.C. or A.C., Lighting D.C. Power D.C. If A.C. state frequency -  
Prime Movers, has the governing been found as per Rule when full load is thrown on and off Yes Are turbine emergency governors fitted  
with a trip switch - Generators, are they compound wound Yes, and level compounded under working conditions Yes  
Are the generators arranged to run in parallel No Is the compound winding connected to the negative or positive pole Negative  
Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing - Have certificates of test for machines  
under 100 kw. been supplied and the results found as per Rule Yes Position of Generators Engine room starboard side.

is the ventilation in way of generators satisfactory Yes are they clear of inflammable material and protected from mechanical injury and  
damage from water, steam and oil Yes Switchboards, where are main switchboards placed Engine room starboard side  
after bulkhead.

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water,  
steam and oil Yes, what insulation is used for the panels "SINDANYO", if of synthetic insulating  
material is it an Approved Type Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as  
per Rule - Is the construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgear  
for each generator and arrangement of equaliser switches Double pole single throw quick break knife switch  
and double pole fuses.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole single throw quick break  
knife switches and double pole fuses.

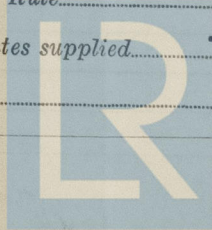
Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard One  
ammeters One voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse current  
protection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided Lamps  
coupled to earth via. switches & fuses. Preference Tripping, state if provided - and tested -

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes  
make of fuses Dorman Smith, & W. Sanders, are all fuses labelled Yes If circuit breakers are provided for the generators, at what  
overload do they operate - and at what current do the reverse current protective  
devices operate -

Cables, are they insulated and protected as per Rule Yes  
if otherwise than as per Rule are they of an Approved Type - state maximum fall of pressure between bus bars and any point  
under maximum load 3 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends -

Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical  
damage Yes, are any cables laid under machines or floorplates No, if so, are they adequately protected - State  
type of cables (if in conduit this should also be stated) in machinery spaces V.I.R.C.A. & B. galleys V.I.R. L.C. & B.  
and laundries - State how the cables are supported or protected In Machinery spaces etc.,  
clipped to steel tray plates or direct to steelwork, in accommodation clipped to  
wood battens or direct to woodwork.

Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight  
Ship bulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes  
effectively bushed Yes Refrigerated chambers, are the cables and fittings as per Rule -  
Have refrigeration fan motors been constructed under survey - and test certificates supplied -  
Are the motors accessible for maintenance at all times Yes



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Lloyd's Register  
Foundation

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Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory..... Yes



*The foregoing is a correct description.*

WILLIAM BROADY & SON LTD.  
92 ENGLISH STREET,  
MULL

### Electrical Contractors.

Date 10<sup>th</sup> July 1952

## COMPASSES.

*Have the compasses been adjusted under working conditions.*

FOR COCHRANE & SONS, LTD

*Builder's Signature.*

Date 14/2/52.

Have the foregoing descriptions and schedules been verified and found correct..... Yes

Is this installation a duplicate of a previous case.....Yes.....If so, state name of vessel....."CAPE BEAVER"

Plans. Are approved plans forwarded herewith No If not, state date of approval 21.3.51.

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. Yes

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.).

The Electrical Equipment of this vessel was installed in accordance with the approved plans and the Rules.

The materials used are of good quality and the workmanship is good.

On completion the equipment was operated under working conditions with satisfactory results and the insulation resistance of all circuits and apparatus was measured and found good.

This equipment is in my opinion suitable for a classed vessel.

Total Capacity of Generators.....20 Kilowatts.

The amount of Fee ... £ 20 : — : ( When applied for,  
20.8. 1952

Travelling Expenses (if any) £ : : 22. 8. 52 When received,

Surveyor to Lloyd's Register of Shipping.

FRI. 19 SEP 1952

Committee's Minute.

Assigned See F. E. Mueby. rpt